

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/525,292
Source: PCR/10
Date Processed by STIC: 3/4/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/04/2005

PATENT APPLICATION: US/10/525,292

TIME: 12:15:21

Input Set : A:\BBC166 Seqlist.txt

Output Set: N:\CRF4\03042005\J525292.raw

```

3 <110> APPLICANT: Krause, Hans Juergen
4     Baust, Lisa
5     Dickes, Michael
7 <120> TITLE OF INVENTION: FORMULATION OF HUMAN ANTIBODIES FOR TREATING TNF-ALPHA
8     ASSOCIATED DISORDERS
10 <130> FILE REFERENCE: BBC-166
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/525,292
C--> 13 <141> CURRENT FILING DATE: 2005-02-16
15 <160> NUMBER OF SEQ ID NOS: 34
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 108
21 <212> TYPE: PRT
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: mutated human antibody
27 <400> SEQUENCE: 1
28 Pro Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
29 1           5           10           15
30 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn
31           20           25           30
32 Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu
33           35           40           45
34 Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser
35           50           55           60
36 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
37 65           70           75           80
38 Pro Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro
39           85           90           95
40 Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
41           100          105
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 122
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: mutated human antibody
52 <400> SEQUENCE: 2
53 Pro Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
54 1           5           10           15
55 Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp
56           20           25           30
57 Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp

```

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58          35          40          45
59 Val Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser
60          50          55          60
61 Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu
62 65          70          75          80
63 Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
64          85          90          95
65 Cys Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp
66          100          105          110
67 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
68          115          120

```

71 <210> SEQ ID NO: 3

72 <211> LENGTH: 10

73 <212> TYPE: PRT

74 <213> ORGANISM: Artificial Sequence

76 <220> FEATURE:

77 <223> OTHER INFORMATION: mutated human antibody

79 <220> FEATURE:

80 <221> NAME/KEY: VARIANT

81 <222> LOCATION: 10

82 <223> OTHER INFORMATION: Xaa = Thr or Ala

84 <400> SEQUENCE: 3

W--> 85 Pro Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa

86 1 5 10

89 <210> SEQ ID NO: 4

90 <211> LENGTH: 13

91 <212> TYPE: PRT

92 <213> ORGANISM: Artificial Sequence

94 <220> FEATURE:

95 <223> OTHER INFORMATION: mutated human antibody

97 <220> FEATURE:

98 <221> NAME/KEY: VARIANT

99 <222> LOCATION: 13

100 <223> OTHER INFORMATION: Xaa = Tyr or Asn

102 <400> SEQUENCE: 4

W--> 103 Pro Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa

104 1 5 10

107 <210> SEQ ID NO: 5

108 <211> LENGTH: 8

109 <212> TYPE: PRT

110 <213> ORGANISM: Artificial Sequence

112 <220> FEATURE:

113 <223> OTHER INFORMATION: mutated human antibody

115 <400> SEQUENCE: 5

116 Pro Ala Ala Ser Thr Leu Gln Ser

117 1 5

120 <210> SEQ ID NO: 6

121 <211> LENGTH: 18

122 <212> TYPE: PRT

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```

123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: mutated human antibody
128 <400> SEQUENCE: 6
129 Pro Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
130 1           5           10           15
131 Glu Gly
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 12
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: mutated human antibody
143 <400> SEQUENCE: 7
144 Pro Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala
145 1           5           10
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 6
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: mutated human antibody
156 <400> SEQUENCE: 8
157 Pro Asp Tyr Ala Met His
158 1           5
161 <210> SEQ ID NO: 9
163 <400> SEQUENCE: 9
W--> 164 000
166 <210> SEQ ID NO: 10
168 <400> SEQUENCE: 10
W--> 169 000
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 10
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: mutated human antibody
179 <400> SEQUENCE: 11
180 Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Ala
181 1           5           10
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 10
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: mutated human antibody
192 <400> SEQUENCE: 12
193 Pro Gln Lys Tyr Asn Arg Ala Pro Tyr Ala
194 1           5           10

```

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```

197 <210> SEQ ID NO: 13
198 <211> LENGTH: 10
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: mutated human antibody
205 <400> SEQUENCE: 13
206 Pro Gln Lys Tyr Gln Arg Ala Pro Tyr Thr
207 1 5 10
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 10
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: mutated human antibody
218 <400> SEQUENCE: 14
219 Pro Gln Lys Tyr Ser Ser Ala Pro Tyr Thr
220 1 5 10
223 <210> SEQ ID NO: 15
224 <211> LENGTH: 10
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: mutated human antibody
231 <400> SEQUENCE: 15
232 Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Thr
233 1 5 10
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 10
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: mutated human antibody
244 <400> SEQUENCE: 16
245 Pro Gln Lys Tyr Asn Arg Ala Pro Tyr Thr
246 1 5 10
249 <210> SEQ ID NO: 17
250 <211> LENGTH: 10
251 <212> TYPE: PRT
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: mutated human antibody
257 <400> SEQUENCE: 17
258 Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Tyr
259 1 5 10
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 10
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence

```

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```

267 <220> FEATURE:
268 <223> OTHER INFORMATION: mutated human antibody
270 <400> SEQUENCE: 18
271 Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Asn
272   1           5           10
275 <210> SEQ ID NO: 19
276 <211> LENGTH: 10
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: mutated human antibody
283 <400> SEQUENCE: 19
284 Pro Gln Lys Tyr Thr Ser Ala Pro Tyr Thr
285   1           5           10
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 10
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: mutated human antibody
296 <400> SEQUENCE: 20
297 Pro Gln Lys Tyr Asn Arg Ala Pro Tyr Asn
298   1           5           10
301 <210> SEQ ID NO: 21
302 <211> LENGTH: 10
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: mutated human antibody
309 <400> SEQUENCE: 21
310 Pro Gln Lys Tyr Asn Ser Ala Ala Tyr Ser
311   1           5           10
314 <210> SEQ ID NO: 22
315 <211> LENGTH: 10
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: mutated human antibody
322 <400> SEQUENCE: 22
323 Pro Gln Gln Tyr Asn Ser Ala Pro Asp Thr
324   1           5           10
327 <210> SEQ ID NO: 23
328 <211> LENGTH: 10
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: mutated human antibody
335 <400> SEQUENCE: 23
336 Pro Gln Lys Tyr Asn Ser Asp Pro Tyr Thr

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/525,292

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 10,

Seq#:4; Xaa Pos. 13

VERIFICATION SUMMARY

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Input Set : A:\BBC166 Seqlist.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:164 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (9) SEQUENCE:
L:169 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (10) SEQUENCE: